

**OWNER'S
INSTRUCTION MANUAL**

**Big Button CALLER ID
Speakerphone
MODEL 2420**



CORTELCO

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IMPORTANT SAFETY INSTRUCTIONS

Always follow basic safety precautions when using your telephone equipment to reduce the risk of fire, electrical shock, and injury.

1. **Read and understand all instructions** in the Owner's Instruction Manual.
2. **Read all warnings** and follow all instructions marked on the product.
3. **Unplug this product from the wall outlet before cleaning.** Use a damp cloth for cleaning. Do not use liquid or aerosol cleaners.
4. **Do not use the telephone near water.** For example, do not use near a bathtub, wash bowl, kitchen sink, laundry tub, swimming pool, or in a wet basement.
5. **Do not place this product on an unstable cart or stand.** The product may fall causing serious damage to the product.
6. **Use only the type power source indicated on the label.** If you are not sure of the type power supply to your home, consult your dealer or local power company.
7. **Do not place any objects on the telephone line cord.** Do not locate the telephone where the line cord will be walked on.
8. **Do not block or cover ventilation slots and openings** in the bottom of the telephone. The openings should never be blocked by placing the telephone on a bed, sofa, rug, or other similar surfaces. The telephone should never be placed near or over a radiator or heat register. The telephone should never be placed in a built-in installation unless proper ventilation is provided.
9. **Never spill liquid on the telephone or push objects of any kind through ventilation slots.** Liquid or objects may touch dangerous voltage points or short out parts that could result in a risk of fire or electrical shock.
10. **Do not disassemble this product.** Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electrical shock when the product is subsequently used.
11. **Do not overload outlets and extension cords.** Some telephones require AC power from an outlet. Overloading the outlets can result in the risk of fire or electric shock.
12. **Avoid using a telephone during a local thunderstorm.** There may be a remote risk of electrical shock from lightning. The spec. of fuse (F1) is 0.5A/250V delay time.
13. **Do not use a telephone to report a gas leak in the vicinity of the leak.**
14. **Unplug the telephone from the wall outlet and refer servicing to qualified service personnel** under the following conditions:
 - When the line cord is frayed or plugs damaged.
 - If liquid has been spilled into the telephone.
 - If the telephone has been exposed to rain or water.
 - If the telephone does not operate properly by following the operating instructions. (Adjust only those controls covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.)
 - If the telephone has been dropped or the housing damaged.
 - If the telephone exhibits distinct change in performance.

CAUTION-Always disconnect all telephone lines from the wall outlet before servicing or disassembling this equipment.

SAVE THESE INSTRUCTIONS

Installing Your Phone

1. Plug one end of the Handset Cord (curly) into the Handset and the other end into the jack on the side of the telephone.
2. Plug one end of the line cord (straight) into the telephone line jack on the back of the telephone and the other end into the telephone modular wall jack.
3. Plug the AC Adaptor into a standard AC wall outlet. Plug the AC Adaptor lead into the power socket at the back of the phone.

The telephone will beep and the display will show **SET TIME / DATE**. Assuming you subscribe to a Caller ID service, the time and date will be automatically updated when the first call is received. After 10 seconds the display will show the number of calls received **MISSED -00-**, **ANSWER -00-**

NOTE: When the telephone is not in use, if the line is being used by another phone, the display shows **EXTENSION USE**.

Operation

Making and Receiving Calls

	HANDSET	SPEAKERPHONE
MAKING A CALL	<ol style="list-style-type: none">1. Pick up the Handset from the Base.2. Dial desired number.3. Hang up upon completion of the call.	<ol style="list-style-type: none">1. Key in desired number.2. Press DIAL (The phone goes to speakerphone mode automatically).3. To hang up, press SPEAKER key.
RECEIVING A CALL	<ol style="list-style-type: none">1. Pick up the Handset from the Base.2. Speak.3. Hang up upon completion of the call.	<ol style="list-style-type: none">1. Press SPEAKER key. Speak.2. To hang up, press SPEAKER key again.

NOTES:

While the making a call, the **DIAL KEYPAD** LED will light.

While the phone is ringing, the **RING LAMP** and **DIAL KEYPAD** LED will light.

Speakerphone

You can place a call on Speakerphone mode anytime by pressing **SPEAKER** during a call then placing the Handset on the base. Also, you can transfer a call to the Handset anytime during a call by picking up the Handset. During speakerphone operation, the display will show **SPEAKERPHONE**, and the **SPEAKER** LED will light.

During handset operation, the display will show **= TALK =** and  will appear.

Call Timer

When the handset is picked up or the **SPEAKER** button is pressed, the call counter

will begin and show the elapsed time on the display screen.

LCD Backlight Display

The LCD has a backlight that will turn on under the following conditions;

- Incoming call
- Picking up the handset
- Pressing any button

NOTES:

The backlight will switch off approximately 15 seconds after the last activity. The AC Adapter must be plugged into the unit to enable the backlight.

Connecting an Audio Device

The 2420 is equipped with a 3.5 mm audio jack on the base. This jack allows you to connect an external speaker with a 3.5 mm plug.

NOTE: This jack is not compatible with telephone headsets which use 2.5 mm plugs.

Mute

Press **MUTE** to turn off the handset or speakerphone microphone, allowing private conversations without the other party hearing. Press **MUTE** again to resume the conversation with the calling party.

NOTE: While muted, the display will show < *MIC MUTE* >.

Hold

1. To place a call on hold, press **HOLD** and hang up. The **HOLD LED** will light; the display will show < *CALL ON HOLD* >.
2. To begin the conversation again, pick up the handset, press **SPEAKER**, or pick up an extension phone. The hold will then be automatically released.

Music on Hold

When a call is placed on hold, the telephone will play music to reassure your caller that the call has not been disconnected.

Flash

Press **FLASH** to activate special services, such as Call Waiting.

For example, if you have Call Waiting, press **FLASH** to take an incoming call without disconnecting the current call. Press **FLASH** again to return to the first call.

NOTES:

If you do not have special phone services, pressing **FLASH** might disconnect the current call.

During memory storage, you may press **FLASH** to insert a flash; an '*F*' will show on the LCD between numbers.

Using Tone Services on a Pulse Line

If you have pulse service, you can still use special services that require tone signals,

such as bank-by-phone, by following these steps.

1. Be sure T/P is set to P.
2. Dial the service's main number.
3. When the service answers, press * or #. Any additional numbers you dial will then be sent as tone signals.
4. After you complete the call and hang up, the phone will reset to pulse dialing.

Programming the Emergency Buttons



Three emergency numbers can be stored into one touch speed dial. You may wish to store the numbers of your local police, fire department and EMS services on the Emergency Speed-Dial Buttons, so that you can quickly dial them. To program these buttons follow the steps below.

1. Press **STORE**. The display will show <STORE TO ?>
2. Press the desired Emergency Button. The display will show <EMERGENCY X> where X is 1, 2 or 3.
3. Enter the phone number you wish to assign to the Emergency Button.
4. Press **STORE**. The display will show <NAME ?>.
5. Enter the name using the keypad if desired.
6. Press **STORE**. The display will show <STORED>.

To call one of the Emergency button numbers, lift the handset or press the Speaker button and then press the Emergency button.

Amplification Features

Incoming Voice Volume

You can adjust the volume of incoming calls by sliding the **VOL** control. This gives you up to 18 dB of volume adjustment. If you need more amplification, follow the directions below.

1. After picking up the handset, press **AMPLIFY**. When **AMPLIFY** is on, the))) icon appears and the **AMPLIFY** LED comes on.
2. Adjust the volume in the earpiece by moving the **VOL** slide control. With the amplify feature, the incoming volume can be made up to 40dB louder.

In standard use, the amplifier turns off whenever you hang up the telephone. This is a useful feature if many people use the phone. If you want the amplifier to always remain on, slide the switch underneath the phone to **AUTO**. The amplifier turns off when you switch to Speakerphone mode.

Incoming Voice Tone

The product provides extra amplification at the sound frequencies you need to boost. To identify this frequency range, follow these steps:

1. Pick up the handset and press **AMPLIFY**.
2. Adjust the **TONE** slide control until the incoming voice can be easily heard.

Ringer Volume

You can adjust the ringer volume by moving the **RINGER VOL.** switch located on the right side of the telephone. The ringer can be set to either **OFF**, **LO** or **HI** volume.

Speaker Volume

While on a speakerphone call, slide the volume control, located on the right side of the telephone, to the desired level.

Adjusting Ringer Tone

You can adjust the ringer tone of your telephone by moving the **RINGER TONE** switch, located at the right side of the telephone, to the desired **HI/LO** position.

Memory Operation

NOTES:

- 100 phone numbers can be programmed into the memory.
- Each memory location can store a maximum of 32 digits and 15 letters.
- Each step must be completed within 15 seconds.
- Phone numbers can be stored with the handset on or off hook.
- This procedure only covers programming the memory. To program the Emergency Buttons see the instructions on the previous page.

Storing an Entry

For Example: To program the telephone number for Cortelco, (662)555-1234 into memory

1. Press **STORE** (Display shows **STORE TO ?**)
2. Press **MEMORY**. The Display will show **NUMBER ?**
3. Enter the phone number **6 6 2 5 5 5 1 2 3 4** using the keypad. **Note:** You may need to store a 1 if the number has different area code than yours.
4. Press **STORE** or **OK**. The display will show **NAME ?**
5. If you do not want to store a name, skip this step. Enter the name **C O R T E L C O** using the keypad (222 666 777 8 33 555 222 666).
6. Press **STORE** or **OK**. The display will show **VIP ALERT OFF**.
7. If this is not a VIP number, skip this step. Press the **▶** or **◀** to change to **VIP ALERT ON**. Calls from this number will sound the VIP alert tone.
8. Press **STORE** or **OK**. The phone will beep and the display will show **STORED**.

NOTES:

- To add a space before another word, press **1**.
- If you make a mistake while entering the number, or name. Press **▶** to move the cursor right, press **◀** to move the cursor left and press **DELETE** to delete the letter.
- Letters are always inserted to the left of the cursor

Key	1st Press	2nd Press	3rd Press	4th Press	5th Press	6th Press	7th Press	8th Press	9th Press
1		-	'	()	&	,	.	1
2	A	B	C	2	A	B	C	2	A
3	D	E	F	3	D	E	F	3	D
4	G	H	I	4	G	H	I	4	G
5	J	K	L	5	J	K	L	5	J
6	M	N	O	6	M	N	O	6	M
7	P	Q	R	S	7	P	Q	R	S
8	T	U	V	8	T	U	V	8	T
9	W	X	Y	Z	9	W	X	Y	Z
*	*	*	*	*	*	*	*	*	*
0	0	0	0	0	0	0	0	0	0
#	#	#	#	#	#	#	#	#	#

Pause

During the memory storage procedure, press **PAUSE** to insert a pause between numbers. Each time **PAUSE** is pressed, a '**P**' will show on the LCD to indicate a 2 second pause in the dialing sequence. Each pause counts as one digit. Pressing **PAUSE** more than once will increase the pause between digits.

Review a Number from Memory

Press **MEMORY** (Display shows **ITEM -XX-**, **XX** is the number of memories stored in the MEMORY), enter the first letter of the name (e.g. "E" for EMMA): Press number 3 twice and scroll with ► until the display shows the name and number that you want to review.

NOTE: If the number is longer than 15 digits, the number will shift left automatically until the end of the number has been reached. The phone will exit automatically approximately 15 seconds after the last activity.

Dialing a Number from Memory

There are three different ways to dial a stored speed dial number.

1. Pick up the handset and follow the sequence '**REVIEW A NUMBER FROM MEMORY**' until the display shows the name and number that you want to dial, and then press **DIAL**.
2. Press **SPEAKER** and follow the sequence '**REVIEW A NUMBER FROM MEMORY**' until the display shows the name and number that you want to dial, then press **DIAL**.
3. Follow the sequence '**REVIEW A NUMBER FROM MEMORY**' until the desired number is displayed on the LCD. Press **DIAL** (the phone enters speakerphone mode and dials the displayed number).

Using the Emergency Buttons

There are two ways to dial an Emergency Button.

1. Press an Emergency Button. The display will show the number. Press **DIAL**.
2. Pick up the handset or press **SPEAKER**, and then press an Emergency Button. The phone will dial the number automatically.

Changing a Speed Dial Number

1. Display the number you wish to edit.
2. Press **OK**. The display shows **NUMBER?** The cursor will be on the right of the last digit.
3. Move the cursor to the digit you would like to edit by using **▶** or **◀**.
4. Press **DELETE** to delete the digit.
5. Enter the desired digit(s) using the keypad.
6. Press **STORE** or **OK**. The cursor will be on the right of the last letter.
7. Move the cursor to the letter to be edited by using **▶** or **◀**.
8. Press **DELETE** to delete the letter.
9. Enter the desired letter(s) using the keypad.
10. Press **STORE** or **OK**. The phone will beep and the display will show **STORED**.

Cloning a Speed Dial Number

1. Display the number you wish to clone.
2. Press **STORE**. The display shows **STORE TO?**
3. Press either a one-touch memory location or **MEMORY** and the location to store the number.
4. The display shows **NUMBER?** The cursor will be on the right of the last digit.
5. Move the cursor to the digit you would like to edit by using **▶** or **◀**.
6. Press **DELETE** to delete the digit.
7. Enter the desired digits(s) using the keypad.
8. Press **STORE** or **OK**. The cursor will be on the right of the last letter.
9. Move the cursor to the letter to be edited by using **▶** or **◀**.
10. Press **DELETE** to delete the letter(s).
11. Enter the desired letter(s) using the keypad.
12. Press **STORE** or **OK**. The phone will beep and the display will show **STORED**.

NOTES:

- Emergency Buttons accept duplicate phone numbers, but the MEMORY does not.
- If the number matches one stored in MEMORY, the phone will show **REPLACE?**. Press **STORE** or **OK**. The phone will beep and the display will show **STORED**.

Deleting a Speed Dial Number

1. Display the number you wish to delete.
2. Press **DELETE** (Display shows **DELETE ?**).
3. Press **DELETE** or **OK**.
4. The phone beeps and the display shows **DELETED**.

Deleting All Memory Entries

1. Press **MEMORY** (Display shows *ITEM -XX-*).
2. Press **DELETE** (Display shows *CLEAR MEMORY ?*).
3. Press **DELETE** or **OK** to confirm your choice. The phone beeps and the display shows *DELETED*.

Redial

There are two ways to redial the last number dialed.

1. Press **REDIAL** and the display will show the latest dialed number. Press **DIAL**. The telephone will redial the last number dialed (the phone enters speakerphone mode and dials the displayed number).
2. Pick up the handset or press **SPEAKER**. Press **REDIAL**. The telephone will redial the last number dialed.

NOTE: The redial memory stores the first 32 digits of any number dialed. If the number dialed exceeds 32 digits, the redial memory will store only the first 32 digits.

Caller ID Memory

Using Caller Id

To use these features, you must first subscribe to Caller ID Service from the telephone company. There is usually a fee for this service, and it may not be available in all areas.

Setting the Long Distance Code

The Long Distance Code has a default setting of 1. You can change the code to "9" if you use a PBX telephone system or "0" if your telephone system requires operator assistance to make a long distance call.

NOTE: If each step is not completed within 15 seconds, the phone exits setup. Start again at Step 1.

1. Press **MENU** until *-1-* and "**SET LDS CODE**" appears. **1** flashes.
2. Press **▶** or **◀** to set the long distance code to **1**, **9**, or **0**.
3. Press **OK** or **MENU** to complete the setting and go to next setting.

Setting the Area Code

1. Press **MENU** button until *----* and "**SET AREA CODE**" appears.
2. Press **▶** to increase the digit, **◀** to decrease the digit, or use the keypad buttons to set the code manually.
3. Press **OK** to move between the different digits.
4. Press **OK** to complete the setting and go to next setting, or press **DELETE** to complete the setting and return to standby mode.

Phone Record

When you use this telephone with Caller ID service, you will see the number of the calling party (unless the number is blocked) before you answer the phone. This telephone will store and display the last 50 missed calls and the last 50 answered calls. When the memory is full, the oldest call information is deleted to make room for new incoming call information. The telephone also stores and displays information about the last 10 dialed numbers (max 11 digits).

NOTE: Allow the phone to ring twice for caller ID to be displayed.

Caller ID on Call Waiting

This feature allows you to see the number of the calling party (unless the number is blocked) if you are on a call and receive another call. To use this feature, you must subscribe to Caller ID and Call Waiting from the Telephone Company.

NOTE: This feature must be activated in the menu. See **Call Wait ID On/Off** on Page 15.

Caller ID Summary

The display will show the caller ID summary (**MISSED -XX-**, **ANSWER -XX-**) in standby (where **XX** is the number of missed and answered calls stored in the memory).

Call Review

To review call information, you can press **MODE**. This allows you to review MISSED CALLS, ANSWERED CALLS, or DIALED NUMBERS. During review, you can use function keys to call, store or delete the phone number.

Missed Call

1. Press **MODE**, until the display shows **MISSED CALL -XX-**.
2. Use **▶** or **◀** to view the missed calls. The **New Call** LED will flash if there are new missed calls.

When all missed calls have been reviewed, the **New Call** LED will stop flashing. If the **New Call** LED continues to flash, there is a message waiting.

Answered Call

1. Press **MODE**, until the display shows **ANSWERED CALL -XX-**.
2. Use **▶** or **◀** to view the answered calls.

Dialed Number

10 dialed numbers can be stored into the redial memory. When the redial memory is full, the oldest dialed information is deleted to make room for new dialed information.

1. Press **MODE** until the display shows **DIALED NUMBER -XX-**.
2. Use **▶** or **◀** to view the dialed calls.
3. Press **MODE** to return to standby.

Deleting a Call from the Call History

To delete a call from the call history;

1. Use **▶** or **◀** until the screen displays the information you wish to delete.
2. Press **DELETE** once and the display will show **DELETE ?**
3. Press **DELETE** or **OK**. The phone will beep once, the displayed call record will be deleted and the display will show **DELETED**.

Deleting All Calls

To delete all calls from three primary functions individually, the display must be showing either MISSED CALL, ANSWERED CALL or DIALED NUMBER.

1. Press **DELETE** once and the display will show **DELETE ALL ?**
2. Press **DELETE** or **OK**. The phone will beep, all call records will be deleted and the display will show **DELETED**.

Transferring a Caller ID Number to Speed Dial Memory

1. Use ► or ◀ to scroll through the call history to the number you wish to transfer.
2. If the dial format is not correct, press **OK** to change it.
3. Press **STORE** when the number displayed is correct. The display will show **STORE TO?**.
4. Press **MEMORY**.
5. Press **STORE** three times, the phone will beep, and the display will show **STORED**.

NOTES:

The MEMORY does not accept duplicate phone numbers.

If the number that matches one stored in MEMORY, the phone will show **REPLACE ?**. Press **STORE** or **OK**, the phone will beep and the display will show **STORED**.

The **OK** button also provides dialing options for different phone systems allowing you to select the correct option for a phone number before you press **DIAL**.

Speed Dialing From the Caller Id List

Different Area Code

When the phone number's area code does not match the stored area code, the phone provides two dialing number selections.

- Pressing **OK** once, shows the ten-digit number (three digits of the area code plus seven digits of the phone number, for example, **818-555-1212**).
- Pressing **OK** again causes a **1** to appear before the ten-digit number (**1-818-555-1212**).

Same Area Code

If the phone number's area code matches the stored area code, the phone provides four different dialing options. Repeatedly pressing **OK** will cycle through these options.

- Seven-digit number — for example, **555-1212**.
- Eight-digit number ("1" plus the phone number) — for example, **1-555-1212**.
- Ten-digit number — for example, **817-555-1212**.
- Eleven-digit number ("1" plus the area code plus the phone number) — for example, **1-817-555-1212**.

To call a phone number from Caller records with the speakerphone, press **DIAL** with the number displayed. The speakerphone will activate and the number will be dialed.

Call Display Messages

PRIVATE means the caller has chosen to block their number or they are calling from an exchange that does not offer Caller ID.

OUT OF AREA usually means the call is coming from another country.

TOLL means the incoming call is long distance.

REPEAT XX means this number already exists in the Caller ID memory. **XX** is the number of times the number is repeated. The maximum repeat counter is 15.

END OF LIST or **TOP OF LIST** on the screen means you have reached the end or start of the caller id history.

MISSED -00- on the screen means no missed calls are stored in the missed caller id memory.

ANSWER -00- on the screen means no answered calls are stored in the answered caller id memory.

NO RECORD on the screen means no calls are stored in the caller id memory.

Call Forwarding

If you subscribe to call forwarding, the phone company will send calls from your telephone to another telephone. Phone companies usually offer three call forwarding services — Call Forward Universal, Call Forward Busy, and Call Forward No Answer.

Call Forward Universal will forward all calls to the designated number.

Call Forward Busy will forward calls to the designated number when your phone is busy.

Call Forward No Answer will forward calls to the designated number when your phone is not answered.

Advanced User Options Menu

VIP

When the phone number of an incoming call is matched with a number stored in MEMORY, the symbol **VIP** will be displayed. If VIP ALERT is on, the telephone will sound a special **VIP** tone when receiving a **VIP** call.

VIP Alert On/Off

1. Repeatedly press **MENU** until "**VIP ALERT ON**" appears.
2. Press **▶** or **◀** to choose **VIP ALERT ON/OFF**.
3. Press **OK** or **MENU** to complete the setting, or press **DELETE** or **MODE** to complete the setting and return to standby mode.

NOTE: With **VIP Alert** set to **ON**, the symbol **(••)** will be displayed.

Name Tagging

When the phone number of an incoming call is matched a number stored in MEMORY, the name stored in the MEMORY will be displayed with the caller id number. The name in the speed dial memory can be personalized.

NOTE: You must subscribe to Caller ID Service for this feature to work.

TIPS:

- Always store names with the numbers in your MEMORY to maximize the benefit of this feature.
- Store area code together with the phone number in the MEMORY.

Setting the Language

You can choose English (default), French, Spanish, German, Italian, Portuguese, or Dutch as the message language.

1. Press **MENU** display shows “**ENG FRN SPN**”
2. Press **▶** or **◀** to choose language.
3. Press **OK** or **MENU** to complete the setting and go to next setting, or press **DELETE** to complete the setting and return to standby mode.

LCD Contrast

1. Press **MENU** “**LCD CONTRAST**” appears. The contrast setting number will flash.
2. Use the dial pad to key in the value or press **▶** to increase the setting, **◀** to decrease the setting. The phone has five (1–5) display contrast settings.
3. Press **OK** or **MENU** to complete the setting and go to next setting, or press **DELETE** to complete the setting and return to standby mode.

Time/Date

NOTE: It is not necessary to set the time and date if you have Caller ID service.

1. Repeatedly press **MENU** button until “**SET TIME/DATE**” appears and the hour flashes.
2. Press **▶** to increase the setting, **◀** to decrease the setting. Or use the keypad buttons to set the time and date manually. Press **▶** or **◀** to choose AM or PM.
3. Press **OK** to move between the different settings. The default time/date setting is 12:00 am 01/01(hh:mm mm/dd). The local clock will also be updated automatically when caller ID is received.
4. Press **MENU** to complete the setting and go to next setting, or press **DELETE** to abort setting and return to standby mode.

Call Wait ID On/Off

1. Repeatedly press **MENU** until “**CALL WAIT ID ON**” or “**CALL WAIT ID OFF**” appears.
2. Press **▶** or **◀** to choose CALL WAIT ID ON/OFF.
3. Press **OK** or **MENU** to complete the setting, or press **DELETE** to complete the setting and return to standby mode.

Message Waiting

If you subscribe to your phone company's message waiting service, your phone will inform you when you have a message. When you receive a message, the display will show **MESSAGE WAITING** and  and the **new call** LED will flash. **MESSAGE WAITING** disappears from the display after 8 seconds, but  is displayed and the **New Call** LED will flash until you retrieve the message.

NOTES:

The phone is compatible with both FSK and Stutter Dial Tone message waiting. There is a switch on the base of the phone to disable the Stutter Dial Tone message waiting.

Setting Flash Time

1. Repeatedly press **MENU** until "**FLASH TIME**" and the current setting value appears.
2. Press **▶** or **◀** to choose 600, 100, 300 (ms).
3. Press **OK** or **MENU** to complete the setting, or press **MODE** to complete the setting and return to standby mode, or you can do nothing and wait for 15 seconds to complete the setting and return to standby mode.

NOTE: The standard USA FLASH TIME setting is 600ms.

Setting Pause Time

1. Repeatedly press **MENU** until "**PAUSE TIME**" and the current setting value appears.
2. Press **▶** or **◀** to choose 2000, 4000, 6000 (ms).
3. Press **OK** or **MENU** to complete the setting, or press **MODE** to complete the setting and return to standby mode, or you can do nothing and wait for 15 seconds to complete the setting and return to standby mode.

Setting Caller ID FSK/DTMF Mode

1. Repeatedly press **MENU** until "**FSK MODE**" appears.
2. Press **▶** or **◀** to choose FSK MODE/ DTMF MODE.
3. Press **OK** or **MENU** to complete the setting, or press **MODE** to complete the setting and return to standby mode, or you can do nothing and wait for 15 seconds to complete the setting and return to standby mode.

NOTE: The default MODE setting is FSK MODE. This is the standard system in the USA.

Battery Compartment

Your phone has a battery compartment which will hold 4 AA batteries. These batteries are not necessary for normal operation. If the batteries are installed, the Caller ID and the handset amplifier will continue to work during a power failure. A screwdriver is necessary to remove the batteries.

Resetting the Phone

If your phone stops working properly, use a straightened paper clip to press **RESET** on the back of the phone.

FCC INFORMATION

Part 68 is a Federal regulation which requires equipment to be tested and registered with the FCC prior to its connection to the network. This equipment complies with Part 68 of FCC rules. On the bottom of the telephone is a label that contains, among other information, the FCC Registration Number and the Ringer Equivalence Number (REN) for this equipment. You must, upon request, provide this information to your telephone company.

The **Ringer Equivalence Number**, which is used to determine the number of devices you may connect to your phone line, indicates the amount of power that your telephone draws from the telephone company line during ringing. If you have more than one telephone (or other terminal device) connected to the telephone company line, you should total the ringer equivalence numbers (REN s), and be sure that the total is not more than five. Your telephones may not ring if the total is more than five. Also, in some rural locations, your telephone may not ring if the REN total is more than three.

RESTRICTIONS You must not connect your telephone to coin-operated lines or party lines.

INSTALLATION This model telephone must be connected to the telephone company lines through a modular jack. The required USOC for the modular jack is RJ11C for desk mounting and RJ11W for wall mounting. The USOC number is printed on the label on the bottom of your telephone.

HEARING-AID COMPATIBILITY The handset on your telephone will work with magnetically-coupled hearing aids. You can use a hearing aid equipped with a T (Telephone) switch.

IN CASE OF TROUBLE If your telephone should cause problems on the telephone line, the telephone company can temporarily disconnect your service. The telephone company must then notify and allow you to correct the problem. The telephone company may from time to time change its lines or equipment. They must notify you if planned changes will affect your telephone service, to allow you to take steps to prevent interruptions.

Part 15 regulates the electromagnetic energy emitted by equipment to minimize interference to radio, television, and other wireless devices. This telephone complies with Part 15 of the FCC Rules. In the unlikely event that interference occurs, move the telephone and/or radio, television, etc. to increase the separation distance

Industry Canada Information

NOTICE: The Industry Canada label identifies certified equipment. This certification means that the equipment meets certain Telecommunications network protective Operational and safety requirements. Industry Canada does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connections. The customer should be aware that compliance with the above conditions might not prevent degradation of service in some situations.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Warning! Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority or electrician as appropriate.

Caution: The Ringer Equivalence Number (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed 5. The REN Number of the unit is 0.7.

Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) this device must accept any interference including interference that may cause undesired operation of the device.

LIMITED WARRANTY

If you purchased this product new in the U.S. or Puerto Rico, **CORTELCO** warrants it against defects in material and workmanship for a period of one (1) year from the date of original purchase. This warranty is in lieu of all other express warranties. During the warranty period, **CORTELCO** agrees to repair or, at its option, replace the defective product, or any part of it without charge for parts or labor. This is your exclusive remedy. This warranty does not cover damage resulting from accident, misuse, abuse, improper installation or operation, lack of reasonable care, the affixing of any attachment not provided by **CORTELCO** with the product and loss of parts. The warranty is voided in the event any unauthorized person alters or repairs the unit.

Telephone companies use different types of equipment and offer various types of services to customers. **CORTELCO does not warrant that this product is compatible with the type of equipment of any particular phone company or the services provided by it.**

CORTELCO DISCLAIMS ANY IMPLIED WARRANTY, INCLUDING THE WARRANTY OF MERCHANTABILITY AND THE WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AS OF THE DATE ONE YEAR FROM THE ORIGINAL PURCHASE OF THE PRODUCT. **CORTELCO** ASSUMES NO RESPONSIBILITY FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

If failure occurs and your telephone is in warranty, service shall be provided by returning it to the following address, shipping prepaid.

**CORTELCO Repair Center
1703 Sawyer Road
Corinth, Mississippi 38834**

The product will be repaired or replaced if examination by us determines the product to be defective. Telephones received damaged as a result of shipping will require you to file a claim with the carrier.

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